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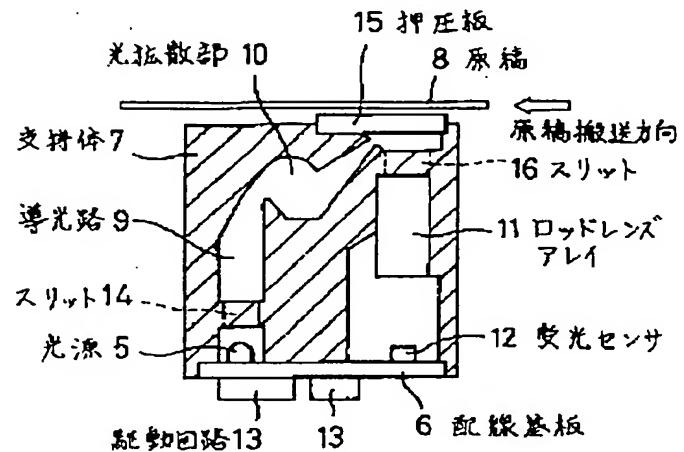
APPLICATION DATE : 30-07-93
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APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : AKAMATSU AKIRA;

INT.CL. : H04N 1/028 G02B 6/00

TITLE : CLOSE CONTACT IMAGE SENSOR



ABSTRACT : PURPOSE: To improve resolution, a bright output and a bright output dispersion characteristic by providing a supporting body with a waveguide and a light dispersion part and uniformly irradiating only an original reading part with light without leaking light from a light source.

CONSTITUTION: The supporting part 7 is provided with the waveguide 9 and the light dispersion part 10. Light from the light source 5 advances along the waveguide 9 and repeats irregular reflection plural times and uniform light is projected from the outlet of the waveguide 9 to an original 8 to irradiate it. The outlet of the waveguide 9 is arranged in the vicinity of the reading part of the original 8 and only the reading part is irradiated with light. Since the generation of light loss, uneven illuminance and stray light can be sharply reduced, the resolution, bright output and output dispersion characteristic of the image sensor can be improved.

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